

01-21-03

1636

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

324

Application Number

09/992,957

Filing Date

11/13/2001

First Named Inventor

Hans Herweijer et al.

Group Art Unit

Examiner Name

RECEIVED

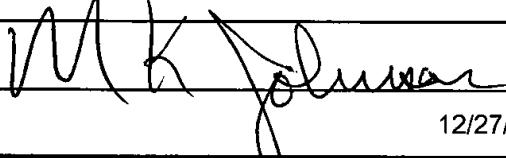
JAN 22 2003

ENCLOSURES (check all that apply)

TECH CENTER 1600/2900

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Mirus Corporation
Signature	
Date	12/27/2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

12/27/2002

1/18/03

Typed or printed name	Mark K. Johnson
Signature	
Date	12/27/2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#6
1/24/03
DD

Application of: Hans Herweijer,)
Jon A. Wolff, Aaron G. Loomis,)
Vladimir S. Trubetskoy and)
Mary Kay Bates)
Serial No.: 09/992,957)
Filed: November 13, 2001)
Group Art Unit:)

RECEIVED
JAN 22 2003
TECH CENTER 1600/2900

For: **METHODS FOR GENETIC IMMUNIZATION For: INHIBITION OF GENE
EXPRESSION BY DELIVERY OF SMALL INTERFERING RNA TO POST-
EMBRYONIC ANIMAL CELLS *IN VIVO***

INFORMATIONAL STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. 1.56, applicant hereby calls to the attention of the Patent and Trademark Office the publications listed on the attached PTO 1449. One copy of each publication is attached.

UNITED STATES PATENTS

<u>Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
-------------------	-----------------	-------------------

FOREIGN PATENTS

<u>Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
-------------------	-----------------	-------------------

REFERENCES CITED

Svoboda et al., "RNAi in mouse oocytes and preimplantation embryos: effectiveness of hairpin dsRNA," Biochemical and Biophysical Research Communication; 2001, vol. 287, pp. 1099-1104

Trubetskoy et al., "quantitative assessment of DNA condensation," Analytical Biochemistry; 1999, vol. 267, pp. 309-313

Suter et al., "BAC-VAC, a novel generation of (DNA) vaccines: A bacterial artificial chromosome (BAC) containing a replication-competent, packaging -defective virus genome induces protective immunity against herpes simplex virus 1," PNAS; 1999, vol. 96 no. 22

Trubetskoy et al., "Layer-by-layer deposition of oppositely charged polyelectrolytes on the surface of condensed DNA particles," Nucleic Acids Research; 1999, vol. 27, no. 15, pp. 3090-3095

Trubetskoy et al., "Self-assembly of DNA-polymer complexes using template polymerization," Nucleic Acids Research; 1998, vol. 26, no. 18, pp. 4178-4185

Trubetskoy et al., "Caged DNA does not aggregate in high ionic strength solutions," Bioconjugate Chem; 1999, vol. 10, pp. 624-628

Krieg et al., "The role of CpG dinucleotides in DNA vaccines," Trends in Microbiology; 1998, vol. 6, no. 1

Lipford et al., "Bacterial DNA as immune cell activator," Trends in Microbiology; 1998, vol. 6, no. 12

Akbari et al., "DNA vaccination: transfection and activation of dendritic cells as key events for immunity," The Rockefeller University Press; 1999, vol. 189, no. 1, pp. 169-177

Iwasaki et al., "Enhanced CTL responses mediated by plasmid DNA immunogens encoding costimulatory molecules and cytokines," The Journal of Immunology; 1997, vol. 158, pp. 4591-4601

Etchart et al., "Class I-restricted CTL induction by mucosal immunization with naked DNA encoding measles virus haemagglutinin," Journal of General Virology; 1997, vol. 78, pp. 1577-1580

Herrmann et al., "Immune responses and protection obtained by oral immunization with rotavirus VP4 and VP7 vaccines encapsulated in microparticles," Virology; 1999, vol. 259, pp. 148-153

Kaneko et al., "Oral DNA vaccination promoted mucosal and systemic immune responses to HIV envelope glycoprotein," Virology; 2000, vol. 167, pp. 8-16

Chen et al., "Protective immunity induced by oral immunization with a rotavirus DNA vaccine encapsulated in microparticles," Journal of Virology; 1998, pp. 5757-5761

Gregoriadis et al., "Liposome-mediated DNA vaccination," REBS Letters; 1997, vol. 402, pp. 107-110

MacGregor et al., "First Human Trial of a DNA-Based Vaccine for Treatment of Human Immunodeficiency Virus Type 1 Infection: Safety and Host Response," The Journal of Infectious Diseases; 1998, vol. 178, pp. 92-100

Donnelly et al., "DNA Vaccines," Life Sciences; 1997, vol. 60, no. 3, pp. 163-172

Tomasi "Introduction: an overview of the mucosal system," *Handbook of Mucosal Immunology*

Fasano "Novel approaches for oral delivery of macromolecules," *Journal of Pharmaceutical Sciences*; 1998, vol. 87, no. 11

Jackson et al., "Preparation and properties of totally synthetic immunogens," *Vaccine*; 2000, vol. 18, pp. 355-361

DeNoon et al., "Conference coverage (ECP) combination vaccines): CEO: Biotech Breakthrough could shake vaccine industry," *Aidsweekly Plus*; 1998

DeNoon "Conference coverage (ECP! Combination vaccines) 2202 vaccine market: \$7 billion," *newsrx.com*; 1998

Irache et al., "Bioadhesion of lectin-latex conjugates to rat intestinal mucosa," *Pharmaceutical Research*; 1996, vol. 13, no. 11

Shefner et al., "A novel class of anti-DNA antibodies identified in BALB/c mice," *The Rockefeller University Press*; 1991, vol. 173, pp. 287-296

Eilat et al., "Monoclonal antibodies to DNA and RNA from NZB/NZW F1 mice: antigenic specificities and NH2 terminal amino acid sequences," *The Journal of Immunology*; 1984, vol. 133, no. 1

Katsumi et al., "Humoral and cellular immunity to an encoded protein induced by direct DNA injection," *Human Gene Therapy*; 1994, vol. 5, pp. 1335-1339

Gilkeson et al., "Specificity of anti-DNA antibodies induced in normal mice by immunization with bacterial DNA," *Clinical Immunology and Immunopathology*; 1991, vol. 59, pp. 288-300

Whiteside et al., "Clinical usefulness of the crithida luciliae test for antibodies to native DNA," *Anti-DS DNA in Disease*; vol. 72, no. 5

Tron et al., "Relationships between antibodies to native DNA and glomerulonephritis in systemic lupus erythematosus," *Clin. Exp. Immunol.*; 1977, vol. 28, pp. 426-432

Nakamura et al., "Microhemagglutination test for detection of antibodies to nuclear sm and ribonucleoprotein antigens in systemic lupus erythematosus and related diseases," *Detection of sm and RNP antibodies*; 1978, vol. 70, no. 5

Wolff et al., "Long-term persistence of lasmid DNA and foreign gene expression in mouse muscle," *Human Molecular Genetics*; 1992, vol. 1, no. 6, pp. 363-369

Liebert et al., "What about those monkeys that got T-Cell lymphoma," *Human gene Therapy*; 1993, vol. 4, pp. 1-2

Liebert et al., "Safety issues related to retroviral-mediated gene transfer in humans," Human Gene Therapy; 1991, vol. 2, pp. 5-14

Lahijani et al., "Quantitation of host cell DNA contaminant in pharmaceutical-grade plasmid DNA using competitive polymerase chain reaction and enzyme-linked immunosorbent assay," Human Gene Therapy; 1998, vol. 9, pp. 1173-1180

Lahijani et al., "High-yield production of pBR322-derived plasmids intended for human gene therapy by employing a temperature-controllable point mutation," Human Gene Therapy; 1996, vol. 7, pp. 1971-1980

Boyle "Disease and fertility control in wildlife and feral animal populations: options for vaccine delivery using vectors," Teprod. Fertil. Dev.; 1994, vol. 6, pp. 393-400

Sato et al., "Immunostimulatory DNA sequences necessary for effective intradermal gene immunization," Science; 1996, vol. 273

Roman et al., "Immunostimulatory DNA sequences function as T helper-1-promoting adjuvants," Nature Medicine; 1997, vol. 3, no. 8

Leclerc et al., "The preferential induction of a TH1 immune response by DNA-based immunization is mediated by the immunostimulatory effect of plasmid DNA," Cellular Immunology; 1997, vol. 179, pp. 97-106

Fu et al., "Priming of cytotoxic T lymphocytes by DNA vaccines: requirement for professional antigen presenting cells and evidence for antigen transfer from myocytes," Molecular Medicine; 1997, vol. 3, no. 6

Kim et al., "Engineering of in vivo immune responses to DNA immunization via codelivery of costimulatory molecule genes," Nature Biotechnology; 1997, vol. 15

Chow et al., "Development of TH1 and Th2 populations and the nature of immune responses to hepatitis B virus DNA vaccines can be modulated by codelivery of various cytokine genes," The Journal of Immunology; pp. 1320-1329

Xiang et al., "Manipulation of the immune response to a plasmid-encoded viral antigen by coinoculation with plasmids expressing cytokines," Immunity; 1995, vol. 2, pp. 129-135

Pardoll et al., "Exposing the immunology of naked DNA vaccines," Immunity; 1995, vol. 3, pp. 165-169

Quong et al., "DNA protection from extracellular nucleases, within chitosan- or poly-L-lysine-coated alginated beads,"

Roy et al., "Oral gene delivery with chitosan-DNA nanoparticles generates immunologic protection in a murine model of peanut allergy," Nature Medicine; 1999, vol. 5, no. 4

Alapar et al., "Potential of particulate carriers for the mucosal delivery of DNA vaccines," Biochemical Society Transactions; 1997, vol. 25, p. 337S

Jones et al., "Poly(DL-lactide-co-glycolide)-encapsulated plasmid DNA elicits systemic and mucosal antibody responses to encoded protein after oral administration," Vaccine, 1997, vol. 15, no. 8, pp. 814-817

Ermak et al., "Uptake and transport of copolymer biodegradable microspheres by rabbit peyer's patch M cells," Cell Tissue Res; 1995, vol. 279, pp. 433-436

Florence et al., "Factors affecting the oral uptake and translocation of polystyrene nanoparticles: histological and analytical evidence," Journal of Drug Targeting; 1995, vol. 3, pp. 65-70

Bockman et al., "Pinocytosis by epithelium associated with lymphoid follicles in the bursa of fabricius, appendix, and peyer's patches. An electron microscope study," Am. J. Anat.; vol. 136, pp. 455-478

Mathiowitz et al., "Biologically erodable microspheres as potential oral drug delivery systems," Nature; 1997, vol. 386

Ishii et al., "cationic liposomes are a strong adjuvant for a DNA vaccine of human immunodeficiency virus type 1," Aids Research and Human Retroviruses; 1997, vol. 13, no. 16

Jiao et al., "Direct gene transfer into nonhuman primate myofibers in vivo," Human Gene Therapy; 1992, vol. 3, pp. 21-33

Wang et al., "Induction of antigen-specific cytotoxic T lymphocytes in a humans by a malaria DNA vaccine," Science; 1998, vol. 282

Ulmer et al., "Heterologous protection against influenza by injection of DNA encoding a viral protein," Science; 1993, vol. 259

Acsadi et al., "Direct gene transfer and expression into rat heart in vivo," The New Biologist; 1991, vol. 3, no. 1, pp. 71-81

Tang et al., "Genetic immunization is a simple method for eliciting an immune response," Nature; 1992, vol. 356

Wolff et al., "Direct gene transfer into mouse muscle in vivo," Science; 1990, vol. 247, pp. 1465-1468

Ulmer et al., "Generation of MHC class I-restricted cytotoxic T lymphocytes by expression of a viral protein in muscle cells: antigen presentation by non-muscle cells," Immunology; 1996, vol. 89, pp. 59-67

Donnelly et al., "DNA vaccines," Annu. Rev. Immunol.; 1997, vol. 15, pp. 617-648

Suhrbier "Multi-epitope DNA vaccines," Immunology and Cell Biology; 1997, vol. 75, pp. 402-408

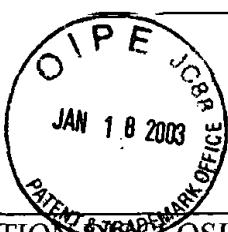
Respectfully submitted,

Mark K. Johnson Reg. No. 35,909
Mirus
505 South Rosa Road
Madison, WI 53719
(608)238-4400

I hereby certify that this correspondence is being deposited with the
United States Postal Service as Express Mail in an envelope addressed
to: Commissioner for Patents, Washington, D.C. 20231 on

1/18/03

Signature



RECEIVED

JAN 22 2003

TECH CENTER 1600/2000
09/992,957

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

FORM PTO-1449

Attorney Docket No.:
25.01

Applicant: Hans Herweijer, et al.

Group:

Examiner:

U.S. PATENT DOCUMENTS

Exmn Intl	Seq	Patent Number	Issue Date	Patentee	Class	Sub Class	Filing Date

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		Document Number	Publ. Date	Country or Patent Office	Class	Sub Class	Transl. Yes	No

OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, etc.)

	Svoboda et al., "RNAi in mouse oocytes and preimplantation embryos: effectiveness of hairpin dsRNA," Biochemical and Biophysical Research Communication; 2001, vol. 287, pp. 1099-1104
	Trubetskoy et al., "quantitative assessment of DNA condensation," Analytical Biochemistry; 1999, vol. 267, pp. 309-313
	Suter et al., "BAC-VAC , a novel generation of (DNA) vaccines: A bacterial artificial chromosome (BAC) containing a replication-competent, packaging -defective virus genome induces protective immunity against herpes simplex virus 1," PNAS; 1999, vol. 96 no. 22
	Trubetskoy et al., "Layer-by-layer deposition of oppositely charged polyelectrolytes on the surface of condensed DNA particles," Nucleic Acids Research; 1999, vol. 27, no. 15, pp. 3090-3095
	Trubetskoy et al., "Self-assembly of DNA-polymer complexes using template polymerization," Nucleic Acids Research; 1998, vol. 26, no. 18, pp. 4178-4185
	Trubetskoy et al., "Caged DNA does not aggregate in high ionic strength solutions," Bioconjugate Chem; 1999, vol. 10, pp. 624-628
	Krieg et al., "The role of CpG dinucleotides in DNA vaccines," Trends in Microbiology; 1998, vol. 6, no. 1
	Lipford et al., "Bacterial DNA as immune cell activator," Trends in Microbiology; 1998,

RECEIVED

JAN 22 2003

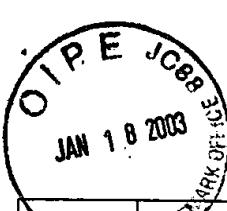
TECH CENTER 1600/2900



	vol. 6, no. 12
	Akbari et al., "DNA vaccination: transfection and activation of dendritic cells as key events for immunity," The Rockefeller University Press; 1999, vol. 189, no. 1, pp. 169-177
	Iwasaki et al., "Enhanced CTL responses mediated by plasmid DNA immunogens encoding costimulatory molecules and cytokines," The Journal of Immunology; 1997, vol. 158, pp. 4591-4601
	Etchart et al., "Class I-restricted CTL induction by mucosal immunization with naked DNA encoding measles virus haemagglutinin," Journal of General Virology; 1997, vol. 78, pp. 1577-1580
	Herrmann et al., "Immune responses and protection obtained by oral immunization with rotavirus VP4 and VP7 vaccines encapsulated in microparticles," Virology; 1999, vol. 259, pp. 148-153
	Kaneko et al., "Oral DNA vaccination promoted mucosal and systemic immune responses to HIV envelope glycoprotein," Virology; 2000, vol. 167, pp. 8-16
	Chen et al., "Protective immunity induced by oral immunization with a rotavirus DNA vaccine encapsulated in microparticles," Journal of Virology; 1998, pp. 5757-5761
	Gregoriadis et al., "Liposome-mediated DNA vaccination," REBS Letters; 1997, vol. 402, pp. 107-110
	MacGregor et al., "First Human Trial of a DNA-Based Vaccine for Treatment of Human Immunodeficiency Virus Type 1 Infection: Safety and Host Response," The Journal of Infectious Diseases; 1998, vol. 178, pp. 92-100
	Donnelly et al., "DNA Vaccines," Life Sciences; 1997, vol. 60, no. 3, pp. 163-172
	Tomasi "Introduction: an overview of the mucosal system," Handbook of Mucosal Immunology
	Fasano "Novel approaches for oral delivery of macromolecules," Journal of Pharmaceutical Sciences; 1998, vol. 87, no. 11
	Jackson et al., "Preparation and properties of totally synthetic immunogens," Vaccine; 2000, vol. 18, pp. 355-361
	DeNoon et al., "Conference coverage (ECP) combination vaccines): CEO: Biotech Breakthrough could shake vaccine industry," Aidsweekly Plus; 1998
	DeNoon "Conference coverage (ECP! Combination vaccines) 2202 vaccine market: \$7 billion," newsrx.com; 1998
	Irache et al., "Bioadhesion of lectin-latex conjugates to rat intestinal mucosa," Pharmaceutical Research; 1996, vol. 13, no. 11
	Shefner et al., "A novel class of anti-DNA antibodies identified in BALB/c mice," The Rockefeller University Press; 1991, vol. 173, pp. 287-296
	Eilat et al., "Monoclonal antibodies to DNA and RNA from NZB/NZW F1 mice: antigenic specificities and NH2 terminal amino acid sequences," The Journal of Immunology; 1984, vol. 133, no. 1
	Katsumi et al., "Humoral and cellular immunity to an encoded protein induced by direct DNA injection," Human Gene Therapy; 1994, vol. 5, pp. 1335-1339
	Gilkeson et al., "Specificity of anti-DNA antibodies induced in normal mice by immunization with bacterial DNA," Clinical Immunology and Immunopathology; 1991, vol. 59, pp. 288-300



		Whiteside et al., "Clinical usefulness of the crithida luciliae test for antibodies to native DNA," <i>Anti-DS DNA in Disease</i> ; vol. 72, no. 5
		Tron et al., "Relationships between antibodies to native DNA and glomerulonephritis in systemic lupus erythematosus," <i>Clin. Exp. Immunol.</i> ; 1977, vol. 28, pp.426-432
		Nakamura et al., "Microhemagglutination test for detection of antibodies to nuclear sm and ribonucleoprotein antigens in systemic lupus erythematosus and related diseases," <i>Detection of sm and RNP antibodies</i> ; 1978, vol. 70, no. 5
		Wolff et al., "Long-term persistence of lasmid DNA and foreign gene expression in mouse muscle," <i>Human Molecular Genetics</i> ; 1992, vol. 1, no. 6, pp. 363-369
		Liebert et al., "What about those monkeys that got T-Cell lymphoma," <i>Human gene Therapy</i> ; 1993, vol. 4, pp. 1-2
		Liebert et al., "Saftey issues related to retroviral-mediated gene transfer in humans," <i>Human Gene Therapy</i> ; 1991, vol. 2, pp. 5-14
		Lahijani et al., "Quantitation of host cellDNA contaminate in pharmaceutical-grade plasmid DNA using competitive polymerase chain reaction and enzyme-linked immunosorbent assay," <i>Human Gene Therapy</i> ; 1998, vol. 9, pp. 1173-1180
		Lahijani et al., "High-yield production of pBR322-derived plasmids intended for human gene therapy by employing a temperature-controllable point mutation," <i>Human Gene Therapy</i> ; 1996, vol. 7, pp. 1971-1980
		Boyle "Disease and fertility control in wildlife and feral animal populations: options for vaccine delivery using vectors," <i>Teprod. Fertil. Dev.</i> ; 1994, vol. 6, pp. 393-400
		Sato et al., "Immunostimulatory DNA sequences necessary for effective intradermal gene immunization," <i>Science</i> ; 1996, vol. 273
		Roman et al., "Immunostimulatory DNA sequences function as T helper-1-promoting adjuvants," <i>Nature Medicine</i> ; 1997, vol. 3, no. 8
		Leclerc et al., "The preferential induction of a TH1 immune response by DNA-based immunization is mediated by the immunostimulatory effect of plasmid DNA," <i>Cellular Immunology</i> ; 1997, vol. 179, pp. 97-106
		Fu et al., "Primin of cytotoxic T lymphocytes by DNA vaccines: requirement for professional antigen presenting cells and evidence for antigen transfer from myocytes," <i>Molecular Medicine</i> ; 1997, vol. 3, no. 6
		Kim et al., "Engineering of in vivo immune responses to DNA immunization via codelivery of costimulatory molecule genes," <i>Nature Biotechnology</i> ; 1997, vol. 15
		Chow et al., "Development of TH1 and Th2 populations and the nature of immune responses to hepatitis B virus DNA vaccines can be modulated by codelivery of various cytokine genes," <i>The Journal of Immunology</i> ; pp.1320-1329
		Xiang et al., "Manipulation of the immune response to a plasmid-encoded viral antigen by coinoculation with plasmids expressing cytokines," <i>Immunity</i> ; 1995, vol. 2, pp. 129-135
		Pardoll et al., "Exposing the immunology of naked DNA vaccines," <i>Immunity</i> ; 1995, vol. 3, pp. 165-169
		Quong et al., "DNA protection form extracapsular nucleases, within chitosan- or poly-l-lysine-coated alginated beads,"
		Roy et al., "oral gene delivery with chitosan-DNA nanoparticles generates immunologic protection in a murine model of peanut allergy," <i>Nature Medicine</i> ; 1999, vol. 5, no. 4



PATENT & TRADEMARK OFFICE	Alapar et al., "Potential of particulate carriers for the mucosal delivery of DNA vaccines," Biochemical Society Transactions; 1997, vol. 25, p. 337S
	Jones et al., "Poly(DL-lactide-co-glycolide)-encapsulated plasmid DNA elicits systemic and mucosal antibody responses to encoded protein after oral administration," Vaccine, 1997, vol. 15, no. 8, pp. 814-817
	Ermak et al., "Uptake and transport of copolymer biodegradable microspheres by rabbit peyer's patch M cells," Cell Tissue Res; 1995, vol. 279, pp. 433-436
	Florence et al., "Factors affecting the oral uptake and translocation of polystyrene nanoparticles: histological and analytical evidence," Journal of Drug Targeting; 1995, vol. 3, pp. 65-70
	Bockman et al., "Pinocytosis by epithelium associated with lymphoid follicles in the bursa of fabricius, appendix, and peyer's patches. An electron microscope study," Am. J. Anat.; vol. 136, pp. 455-478
	Mathiowitz et al., "Biologically erodable microspheres as potential oral drug delivery systems," Nature; 1997, vol. 386
	Ishii et al., "cationic liposomes are a strong adjuvant for a DNA vaccine of human immunodeficiency virus type 1," Aids Research and Human Retroviruses; 1997, vol. 13, no. 16
	Jiao et al., "Direct gene transfer into nonhuman primate myofibers in vivo," Human Gene Therapy; 1992, vol. 3, pp. 21-33
	Wang et al., "Induction of antigen-specific cytotoxic T lymphocytes in a humans by a malaria DNA vaccine," Science; 1998, vol. 282
	Ulmer et al., "Heterologous protection against influenza by injection of DNA encoding a viral protein," Science; 1993, vol. 259
	Acsadi et al., "Direct gene transfer and expression into rat heart in vivo," The New Biologist; 1991, vol. 3, no. 1, pp. 71-81
	Tang et al., "Genetic immunization is a simple method for eliciting an immune response," Nature; 1992, vol. 356
	Wolff et al., "Direct gene transfer into mouse muscle in vivo," Science; 1990, vol. 247, pp. 1465-1468
	Ulmer et al., "Generation of MHC class I-restricted cytotoxic T lymphocytes by expression of a viral protein in muscle cells: antigen presentation by non-muscle cells," Immunology; 1996, vol. 89, pp. 59-67
	Donnelly et al., "DNA vaccines," Annu. Rev. Immunol.; 1997, vol. 15, pp. 617-648
	Suhrbier "Multi-epitope DNA vaccines," Immunology and Cell Biology; 1997, vol. 75, pp. 402-408

Examiner: Initial citation considered. Draw line through citation if not in conformance and not Considered. Include copy of this form with next Action to applicant